DMS300TR
DMS301TR
DMS400TR
DMS500TR
D146

Dishwasher
user manual

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AAA Class

SAMSUNG

features of your new samsung dishwasher

Your new Samsung Dishwasher will change the way you feel about doing dishes. From its large capacity to its energy efficiency, your new Samsung dishwasher has all the features to make your chores much less mundane.

1. **Powerful 3 washing spray arms spraying 6 ways**

   Samsung dish washer has 3 washing spray arms of top, upper, and lower arms.

   2-way 3 washing spray arms powerfully spray cleansing water in 6 directions to improve the washing performance.

2. **Quadruple filter system**

   The quadruple filter system and the food filtration device crashes the food dregs and remaining substances from the dishes, glass, cook pots and cutlery inside the dish washer into small particles. Since food dregs are crashed by the stainless blades, filtrated, collected and then picked out by the drain cycle, you don't need to worry about the food dregs remaining inside bowls and dishes. Samsung dish washer has the best filtration performance among the dish washers of the same class.

This manual contains important information regarding the use and care of your new Samsung dishwasher. Refer to it for descriptions of the control panel, instructions on how to use the dishwasher, and tips for making the most of its state-of-the-art features and technologies. The cycle chart in the "Program overview" section offers an overview of the different cycles and the "Troubleshooting" section tells you what to do if something goes wrong.

Condensing dry technology

- Saves energy by drying the dishes using the remaining heat after the last rinse cycle.
- Clean and safe. No hot steam is emitted during the drying cycle.

⚠ WARNING Do not wash the following items

- **Acrylic, Aluminum**: Dishes with printed gold rim decoration may become discolored.
- **Dishes treated with adhesive**: Treated plastics, wood, ivory, copper and tin may come loose.
- **Plastics with a temperature tolerance less than 90 °C** : Thin plastics wash and dry poorly, and may be damaged due to elevated wash temperatures.
- **Tin**: Tin should be washed by hand and dried immediately as it may rust.
- **Wooden utensils**: Wooden items may crack.

⚠ WARNING When using the dishwasher, try to arrange the dishes properly as described in the "Loading the top and bottom baskets" section.

- You should remove food remains such as bones, fruit seeds, etc. and any other kind of waste such as toothpicks, paper, etc. from the dishes as these may cause damage to the dishes, create noise, or even a product malfunction.
- Select the appropriate cycle depending on the level of soil and the type of dishes.
- Use only the proper amount of detergent and rinsing agent.

safety information

Throughout this manual, you'll see Warning ⚠ and Caution ⚠ notes. These important safety instructions do not cover all possible situations that might occur. It is your responsibility to use and caution when installing, maintaining, and operating your dishwasher. Samsung will not be liable for damages resulting from improper use.

IMPORTANT SAFETY INSTRUCTIONS

What the icons and signs in this user manual mean :

⚠ **WARNING**	Hazards or unsafe practices that may result in **severe personal injury or death**.
⚠ **CAUTION**	Hazards or unsafe practices that may result in **personal injury or property damage**.
⚠ **CAUTION**	To reduce the risk of fire, explosion, electric shock, or personal injury when using your dishwasher, follow these basic safety precautions:

	Do NOT attempt.
	Do NOT disassemble.
	Do NOT touch.
	Follow directions explicity.
	Unplug the power plug from the wall socket.
	Make sure the machine is grounded to prevent electric shock.
	Call the service center for help.

WARNING - When using the dishwasher, follow basic precautions, including the following:

Read all instructions before using the dishwasher.

As with any equipment using electricity, water and moving parts, potential hazards exist.

To safely operate this appliance, familiarize yourself with its operations and exercise care when using it.

Install and level your dishwasher on an uncarpeted floor that can support its weight.

Your dishwasher must be properly grounded. Never connect it to an ungrounded outlet.

See the "Meeting installation requirements" section for more information on grounding your dishwasher.

Use the dishwasher only for its intended function.

SAVE THESE INSTRUCTIONS

Use only detergents or rinse agents recommended for use in a dishwasher, and keep them out of the reach of children.

After unpacking the dishwasher, keep the packaging out of the reach of children.

Locate sharp items so that they do not damage the door seal.
Knives and other utensils with sharp points must be loaded in the basket with their points facing downwards or placed in a horizontal position.

Do not wash plastic items unless they are marked “dishwasher safe” or the equivalent thereof.
For plastic items that are not marked in this way, check the manufacturer’s recommendations.

Do not operate the dishwasher unless all enclosure panels are properly in place.

Do not tamper with the controls.

Do not abuse, sit, or stand on the door, lid, or dish baskets of the dishwasher.

Do not put pressure on the door when it is open as this may damage the dishwasher or result in injury.

Take care when opening the door, as hot water may splash onto your hand.

Do not install this dishwasher under the power outlet or place the extension cord on the dishwasher.

Do not expose the unit to rain or moisture.

Do not expose the dishwasher to direct sunlight.

To reduce the risk of injury, do not allow children to play in or on the dishwasher.

To reduce the risk of fire or explosion:

- Under certain conditions, hydrogen gas may be produced in a hot water system that has not been used for two weeks or more. HYDROGEN GAS IS EXPLOSIVE. If the hot water system has not been used for such a period, before using the dishwasher turn on all hot water faucets and let the water flow from each for several minutes. This will release any accumulated hydrogen gas. As the gas is flammable, do not smoke or use an open flame during this time.

Disconnect the power cord (or disconnect the circuit breaker) before servicing your dishwasher.

Do not allow children to play in or on the dishwasher. They may harm themselves or damage the dishwasher.

Do not repair, replace, or service any part of your dishwasher yourself. Disassembly, repairs and modifications are permitted by authorized service technicians only. Work done by an unauthorized person may void your warranty.

Before disposing of your dishwasher, remove the door of the washing compartment or the door latch so that children or small animals do not get trapped inside.

Do not add any solvents into the dishwasher as this may result in an explosion.

Do not use industrial detergent.

Do not add dishwashing detergent into the rinse compartment.

SAVE THESE INSTRUCTIONS

In particular, keep the detergent dispenser dry when using the delay start function as it may become clogged up.

The dishwasher is extremely heavy. Do not attempt to move or carry the dishwasher by yourself. Two or more people are needed to move a dishwasher and avoid potential injuries.

If the power cord or plug is damaged, do not repair it yourself. Call a qualified person from the manufacturer or service company.

This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use the appliance safely. Young children should be supervised to ensure that they do not play with the appliance.

Check the power supply, the water supply connection, and operate the product to check for malfunctions and water leaks when operating the installed product.

The appliance door should always be closed as this could allow people to walk into it.

This appliance is intended for domestic use, but can be used in similar locations such as:

- staff kitchen areas in shops, offices and other working environments;
- farm houses;
- by clients in hotels, motels and other residential type environments;
- bed and breakfast type environments.

The power plug must be accessible after the installation.

After the dishwasher is installed, check that the drain hose is properly connected and that there is no leakage from the hose connectors. If the drain hose is loose, it may cause property damage.

The water supply hose is susceptible to breakage. As time goes by, it becomes less flexible. Check the line periodically. If it is swollen, torn, cut or there is a water leak, replace it immediately.

Do not put gasoline, solvents, or other flammable materials inside the dishwasher. Do not wash dishes exposed to these materials.

Keep your dishwasher detergent out of the reach of children. Detergent has an adverse effect on human organs. It contains elements for polishing and is corrosive. Avoid letting the detergent come into contact with your skin and eyes.

Do not install the dishwasher near electrical components. Keep the dishwasher away from open flames.

If the dishwasher is left unused for an extended period of time, turn off the water supply.

This dishwasher is intended for residential use only.

SAVE THESE INSTRUCTIONS

Child care

- To ensure your children's safety, use the Child Lock function while using this appliance. For detailed information about the Child Lock function, refer to the description about the Child Lock button in the "Control panel" section.
- Do not allow children to play with or operate the appliance.
- Keep children away from detergents and rinse aid. These may result in asphyxiation or chemical burns to the mouth, throat or eyes.
- Keep children away from the open dishwasher. The water in the rinsing compartment is not drinking water and could contain detergent residue.
- If the appliance is installed at eye-level, ensure that children are not caught or crushed between the appliance door and the cupboard door when opening and closing the door.

MEETING INSTALLATION REQUIREMENTS

Electrical supply and grounding

To prevent unnecessary risk of fire, electrical shock, or personal injury, all wiring must be grounded. It is the personal responsibility of the appliance owner to provide adequate electrical service for this appliance.

CAUTION Never use an extension cord.

When preparing for installation, ensure that your power supply offers:

- An individual circuit serving only your dishwasher

Your dishwasher must be grounded. If your dishwasher malfunctions or breaks down, grounding will reduce the risk of electric shock by providing a path of least resistance for the electric current.

WARNING Never connect the ground wire to plastic plumbing lines, gas lines, or hot water pipes.

Water supply

Your dishwasher will fill properly when your water pressure is 0.05 ~ 0.8 MPa. Water pressure less than 0.05 MPa may result in a water supply valve failure, which does not allow the water supply valve to shut off completely. Alternatively, it may take the dishwasher longer to fill than allowed by the controls, resulting in the dishwasher turning off. (A filling time limit, designed to prevent overflowing/flooding if an internal line becomes loose, has been built into the controls.)

- Ensuring that water faucets are easily accessible.
- Turning off faucets when the dishwasher is not in use.
- Periodically checking for leaks on the water supply hose fittings.

WARNING Before using your dishwasher for the first time, check all connections on the water supply valves and faucets for leaks.

SAVE THESE INSTRUCTIONS

Flooring

For best performance, your dishwasher must be installed on a solidly constructed floor.
Never install your dishwasher on a platform or poorly supported structure.

Your dishwasher must be properly installed in accordance with the Installation Guide before it is used. If you did not receive an Installation Guide with your dishwasher, you can receive one by visiting our website at www.samsung.com.

BEFORE USING YOUR DISHWASHER

⚠ WARNING

Tipping-Over Hazard

- Do not use the dishwasher until it is correctly installed.
- Do not push down on an open door.
- Do not place excessive weight on the open door.
- Do not connect the power cord before it is fully installed.

Electric Shock Hazard

Failure to follow these instructions can result in death, fire or electric shock:

- Electrically ground the dishwasher
- Do not use an extension cord.
- Do not install the dishwasher in front of the power outlet.

When the power cord needs to be replaced, please call a Samsung Service technician.

CONNECTING THE AQUA STOP (MODELS: DMS400TR/DMS500TR/D146)

⚠ WARNING

The aqua stop must not be bent, crushed or entangled when being connected.
Connect the threaded hose fitting on the aqua stop to a tap with an external thread (3/4 inches).
The aqua stop is fitted with either a plastic or a metal nut:

- Tighten the nut by hand only.
  Then perform a visual check for any water leaks (Make sure that the tap is not dripping).

NORMAL USE

⚠ WARNING

The aqua stop is an electrical part.
Therefore, do not damage the aqua stop or cut off the hose of the aqua stop.
If the aqua stop is damaged, immediately pull out the power plug to turn off the power.

SAVE THESE INSTRUCTIONS

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setting up your dishwasher

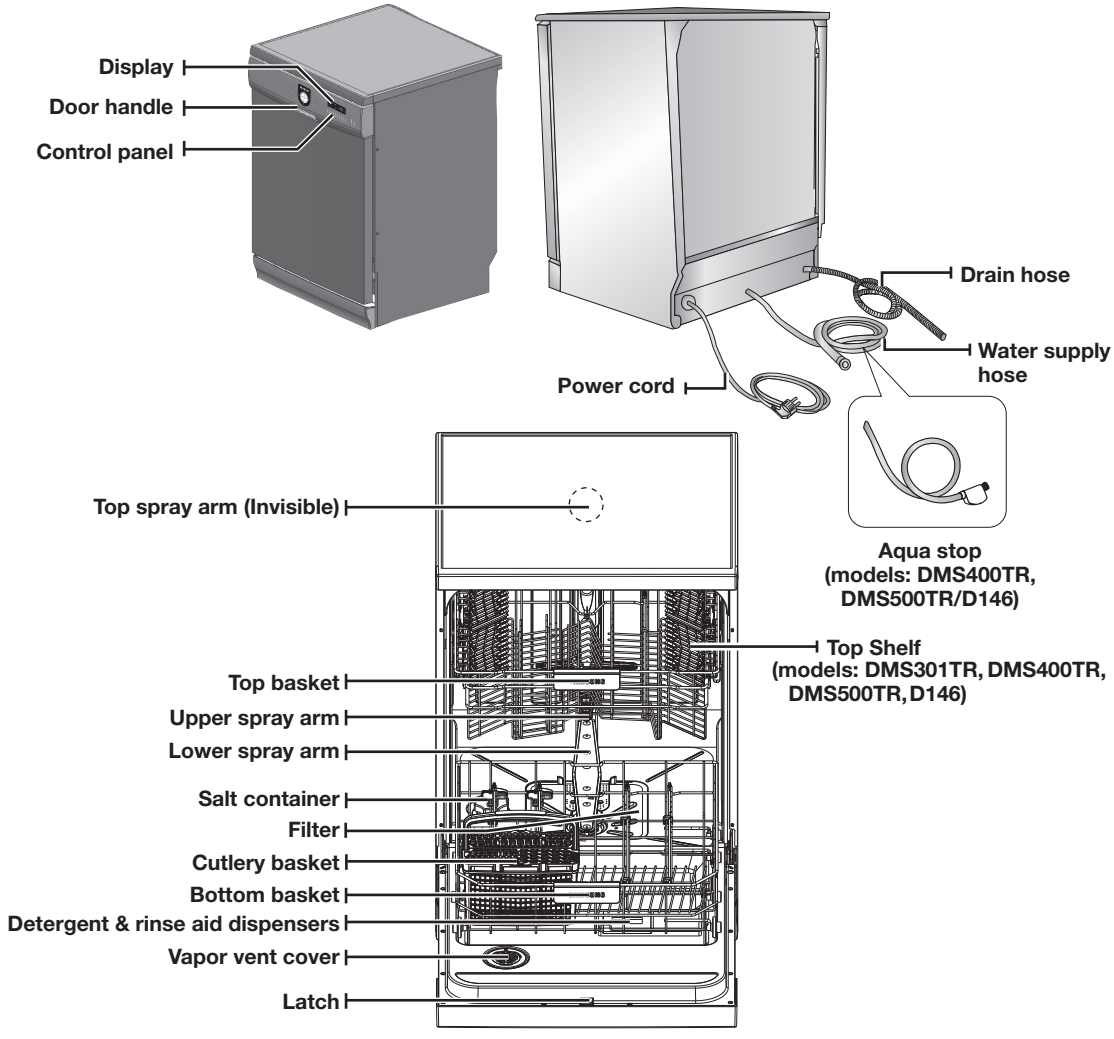
Be sure to have your installer follow these instructions closely so that your new dishwasher works properly and that you're not at risk of injury when washing dishes.

UNPACKING YOUR DISHWASHER

- Once your new dishwasher has been delivered to you, carefully unpack it and check for any damage. If the dishwasher has been damaged, make note of it on the waybill and keep a copy. Do not install the dishwasher, and call your Samsung Service Centre referring to the back of the cover.
- If there is no damage to the product, you can proceed with the installation. If you are going to install it yourself, make sure to read through the installation guide and follow the directions inside.
- After unpacking your dishwasher, keep the packaging out of the reach of children to ensure their safety.

CHECKING PARTS (Refer to the "Detailed part names and images" section)

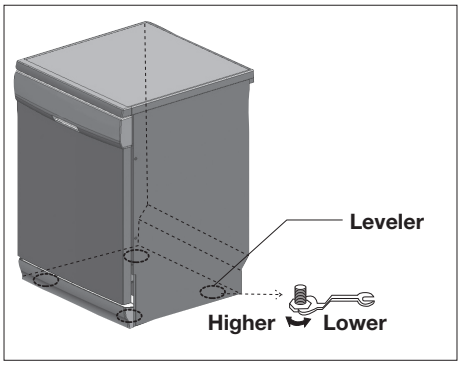
When your dishwasher has been unpacked, make sure you've received all the parts shown below.
If your dishwasher was damaged during shipping, or if you do not have all the parts, contact **Samsung Service Centre referring to the back of the cover.**



setting up your dishwasher

ADJUSTING THE LEVEL

Unfasten the adjusting nuts of the legs.
Rotate the legs to adjust the height.
If the ground surface is too uneven, please contact a qualified service technician.



POWER SOURCE

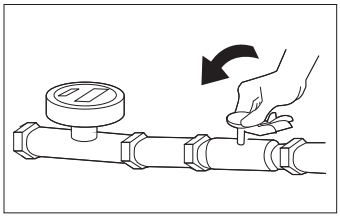
This product operates on a AC 220 ~ 240 V / 50 Hz power source.

CONNECTING THE HOSE

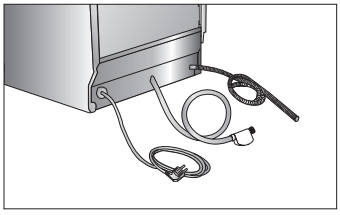
- Connect the appliance to the water mains using a new set of hoses. Do not reuse the old hoses.

Water supply hose

1. Turn off the water supply.



2. Fasten the water supply hose (or aqua stop) to the inlet connector tightly.

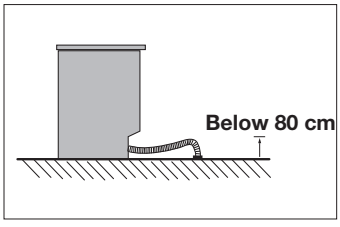


3. Turn on the water supply.

Drain hose

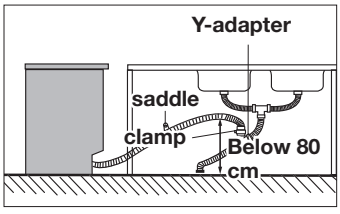
1. If you use only the drain hose for drainage, place and install it below 80 cm from the ground.

WARNING If the drain hose is installed higher than 80 cm, dirty water may flow back or a significant amount of dirty water may remain inside the dishwasher.



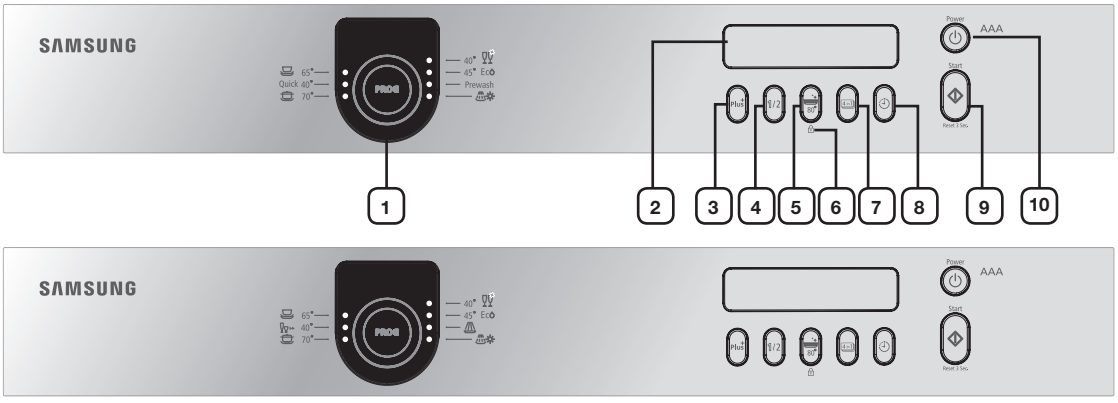
2. If you are sharing one drain pipe for the draining both the dishwasher and the sink, connect the drain hose of the dishwasher to the Y-adapter as shown in the figure below.

WARNING Do not install the Y-adapter higher than 80 cm from the ground. This may result in dirty water flowing back or a significant amount of dirty water remaining inside the dishwasher.



setting up your dishwasher

CONTROL PANEL



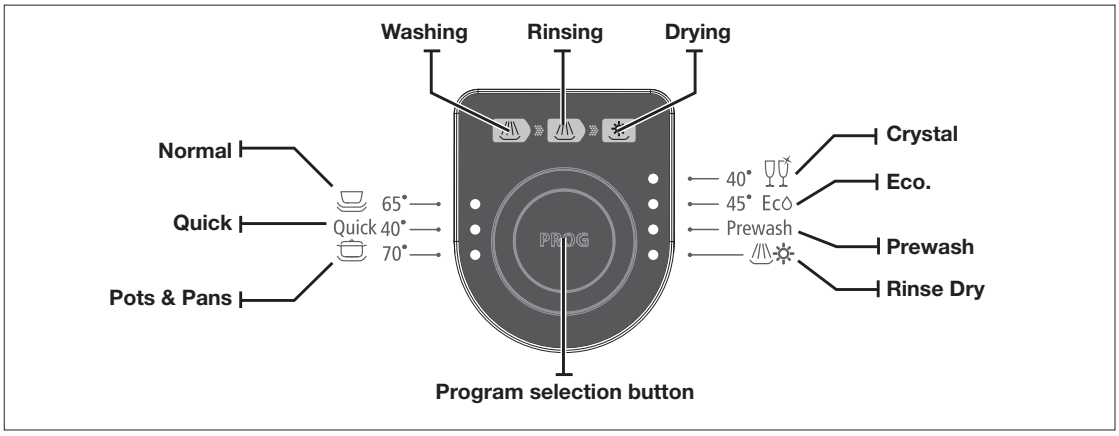
1 PROGRAM SELECTOR	You can select the appropriate wash program depending on the soil level of your dishes. When a program is selected, the indicator for that program is lit.
2 DISPLAY	Displays the remaining wash time, the wash information (Delay start, Salt refill, Rinse refill, Child lock), and error messages. If an error occurs during an operation, an error message is displayed with a warning sound. Refer to the information in the “Troubleshooting” section.
3 Plus+	Use the **Plus+** button to add the drying and rinse cycles to the original course. If the program has already started, this button is deactivated.
4 1/2	For small loads, only use the top or bottom basket to save energy. Press the button repeatedly to select the top or bottom basket where you load your dishware.
5 STERILIZATION	Press this button to use the sterilization function by increasing the heat by 80 degrees during the final rinse cycle. This function is only available when selecting the Normal, Pots&Pans, Eco, or Rinse Dry courses or the 4 in 1 function.
6 CHILD LOCK	The Child Lock function allows you to lock the buttons so that the wash cycle you’ve chosen can’t be changed. If you want to activate or deactivate the Child Lock function, press the **Sterilization** button for 3 seconds. All buttons except for **Power** button will be locked and “L” will be displayed when this feature is activated.
7 4 in 1	If you want to use multi-functional detergent such as “2 in 1”, “3 in 1”, and “4 in 1” detergent, select a program and then press this button. (The 4 in 1 function is only available when selecting the Normal, Eco, Pots&Pans, Crystal and Quick programs.) Though the “Rinse Refill” indicator is lit while the 4 in 1 function is activated, you do not have to add rinse detergent to the rinse aid dispenser.
8 DELAY START	Use the **Delay Start** button to preset the start time. The indicator changes each time the button is pressed. The delay start time can be adjusted from 1 hour to 24hours.

9 **START/RESET**	Press this button to start the selected program. When the door is opened while the dishwasher is operating, the Pause function is activated. When the Pause function is activated, only the **Power** button works. To deactivate the Pause function, close the door. If you want to reset the selected program, press the **Start/Reset** button for 3 seconds.
10 **POWER**	When pressed, all indicator lights turn on and off and the most recently finished program light is lit. When the dishwasher is running and a selected program has finished, 'En' is displayed and the power turns off automatically.

- A wash program must be selected only before starting an operation, and the selected program can not be changed during an operation.
- If you want to change the program after starting an operation, press the **Start/Reset** button for 3 seconds to reset the selected program and then change the program.

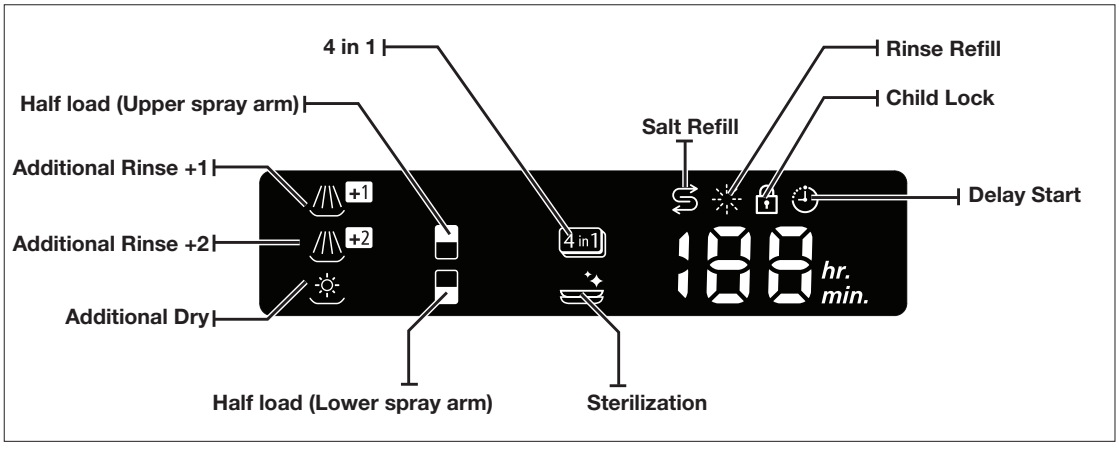
setting up your dishwasher

PROGRAM SELECTOR



- The indicator changes each time the button is pressed.
- Press the select button to select one of the seven available wash programs.
- By pressing the select button, the program is selected in the order of “Normal → Quick → Pots & Pans → Crystal → Eco → Prewash → Rinse Dry”.

DISPLAY



1. When additional rinse and drying cycles, Half Load, 4 in 1, Sterilization, Child Lock or Delay Start are selected, the respective indicators are lit.
2. When “Rinse Refill” remains lit, there is no rinse aid in the dispenser and you should refill the rinse aid dispenser.
3. When “Salt Refill” remains lit, there is no salt in the salt container and you should refill the salt container.

SALT CONTAINER SETTING

Filling the salt container with special salt

1. Turn the cap anti-clockwise to remove it.
2. Fill the salt container with salt. Use a funnel or similar mechanism to easily and cleanly fill the container.
3. After filling the container, wipe off any spilled salt to seal the cap properly.
4. Screw the cap tightly to prevent any suds from penetrating that may cause a water softening problem.

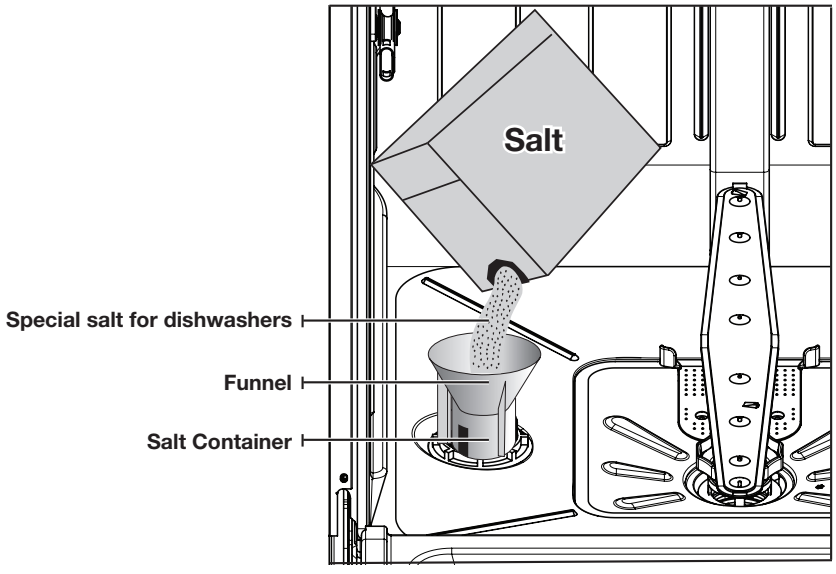
Using special salt

Prior to using the dishwasher for the first time;

- When the “Salt Refill” indicator on the control panel is lit
- Fill the container with special salt using the funnel:
  The capacity of the container is approx. 1kg depending on the grain size. Do not overfill the salt container.
- After filling the container with special salt, pour water into the salt container.

If the “Salt Refill” indicator is lit, refill the salt within the next three times of using it.

Example adding special salt



Using the salt container

- Your dishwasher is equipped with an adjustable water softening system.
  To avoid scale deposits on the dishes and in the dishwasher, the dishes should be washed with soft water, i.e. water with a low lime content.
  The salt container should be adjusted according to the hardness of the water in your area.
  Your local Water Authority can advise you on the hardness of the water in your area.
- If you want to change the water softening level, you should set it manually as follows:
  1. Press the **Power** button. (The dishwasher should turn off.)
  2. Press the buttons sequentially. (At this time a button sound is heard.)
     1) Press the **1/2** button for three seconds.
     2) Press the **Sterilization** button.
  3. To change the salt container level, press the **1/2** button.
     (To select the new level, refer to the chart.)
     We recommend that customers set the salt container when the dishwasher is initially installed by a technician.

Filling the salt container with special salt

- Use only special salt for dishwashers. Do not fill the salt container with any another type of salt or dishwasher detergent as this would irreparably damage the salt container.
- If you are not going to wash your dishes immediately, you should run the Prewash program. This will clean any salt that has run out of the container and any salt that has been spilt.
- Depending on the size of the salt grains, it can take several hours for the salt to dissolve in the water and the special salt indicator to turn off.

Adjusting the salt container system

- Adjust the salt container according to the water hardness level of your area. The salt container has 6 settings (refer to the table below).

No. indicated on the multi-display	Water hardness				Water soft cycle / Dishwashing cycle	Uses Salt
	°dH	°TH	mmol/l	Range		
1	29-70	51-125	5.1-12.5	VI	1/1	Yes
2	19-28	33-50	3.3-5.0	III / VI	1/2	Yes
3	15-18	26-32	2.6-3.2	III	1/3	Yes
4	11-14	19-25	1.9-2.5	II	1/4	Yes
5	4-10	7-18	0.7-1.8	I/II	1/5	Yes
0	< 4	< 7	< 0.7	I	No salt	No

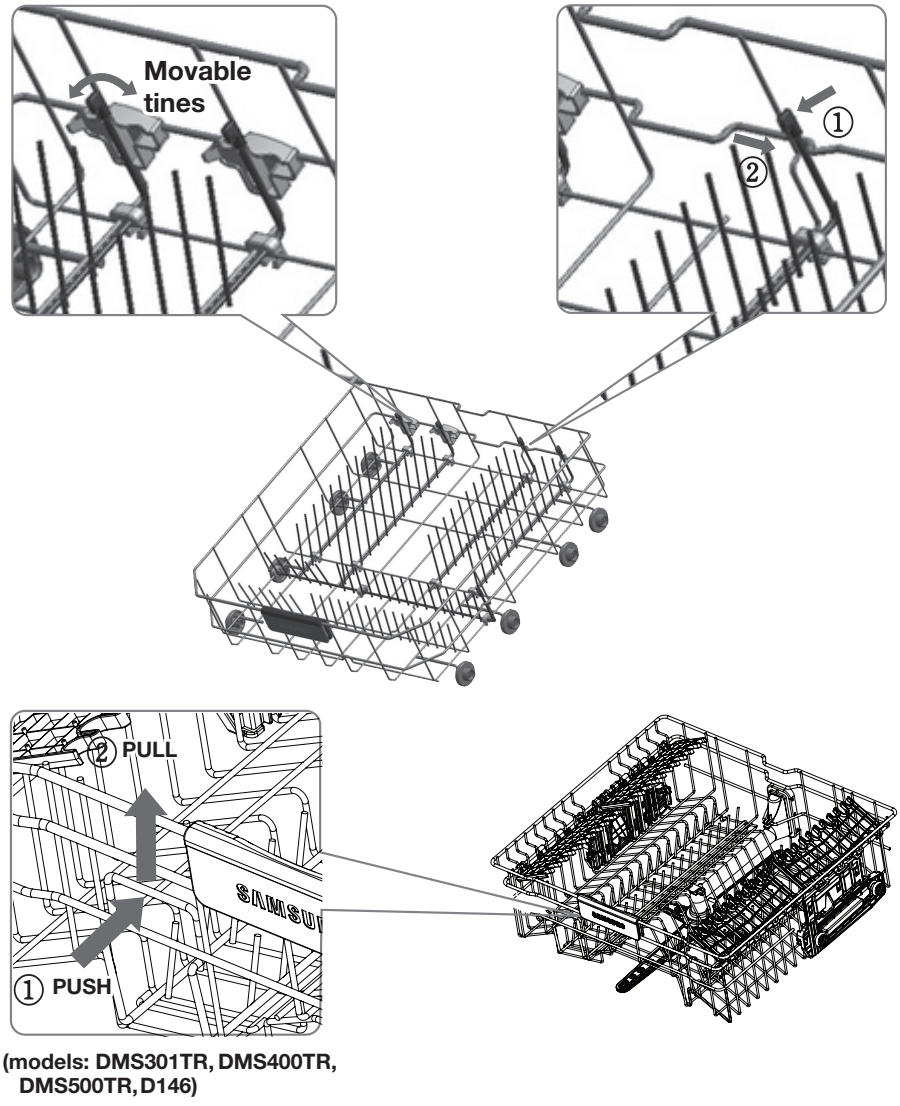
1) The salt container is pre-set to “3” in the factory.
2) The water hardness is measured using international units, German degrees (°dH), French degrees (°TH) and mmol/l(International unit for the hardness of water)

ADJUSTING THE ANGLE OF THE PLATE SUPPORTS

The foldable plate spikes in the top and bottom baskets allow you to adjust the angle of the tines up to five different levels according to the size and shape of the dishes. To adjust the angles, see the illustrations below.

In the bottom basket, the plate support can be folded to make room for large items such as pots and pans.

In the top basket, the plate support can also be folded.



(models: DMS301TR, DMS400TR, DMS500TR, D146)

ADJUSTING THE HEIGHT OF THE TOP BASKET

This Samsung dishwasher uses a basket able to accommodate large-sized plates. By adjusting the height of the top basket, you can make room for different sized dishes. You can place dinner plates with a diameter of 36 cm in the bottom basket and plates up to 30 cm. in diameter in the top basket.

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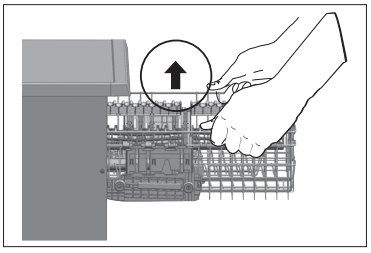
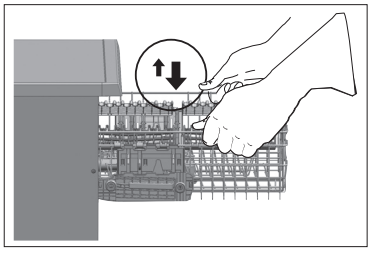


- Hold the sides of the top rack at the top and lift up vertically.

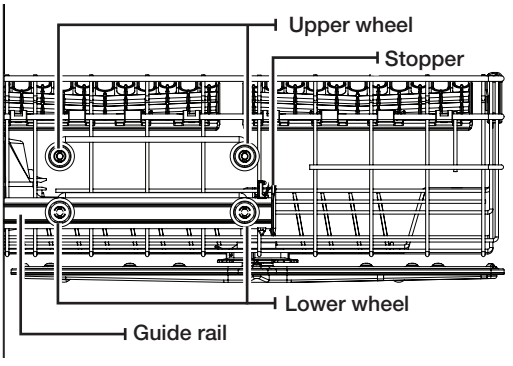


- Hold the sides of the top rack at the top and push down vertically.

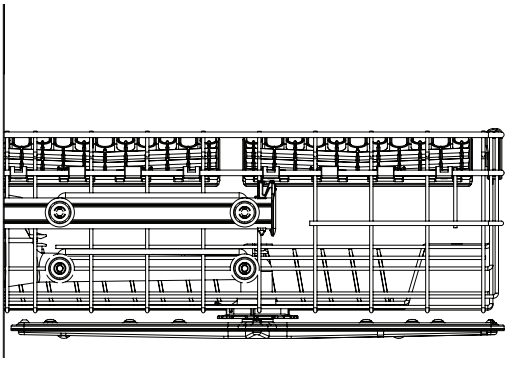
CAUTION We recommend adjusting the height of the top rack before loading dishes into the basket, as the dishes may be damaged.

DMS300TR

1. Hold the sides of the top basket from above and pull the basket all the way out. Then remove the stopper from the guide rail and remove it from the dishwasher.



2. Choose the position of the wheel for the top basket as needed and insert the wheel into the guide rail. Then install the stopper onto the guide rail.



HANDLING THE TOP AND BOTTOM BASKET

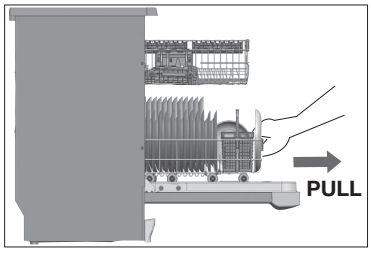
See the illustrations below for handling the top and bottom basket.

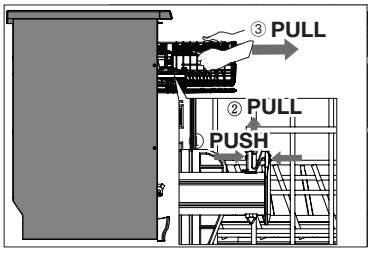
Please do not pull out the top and bottom baskets at the same time when both baskets are filled with dishes.

Gently lift up the bottom basket and pull it out of the door. Then, draw out the top basket to the end of the guide rail.

You can adjust the height of the top basket according to the overall height of the dishes in the bottom basket. The maximum adjustable height is 5 cm

CAUTION While the top basket is removable, it must be installed for the dishwasher to operate properly. If you attempt to operate the dishwasher without the basket installed, noise will occur and the dishwasher will perform poorly.

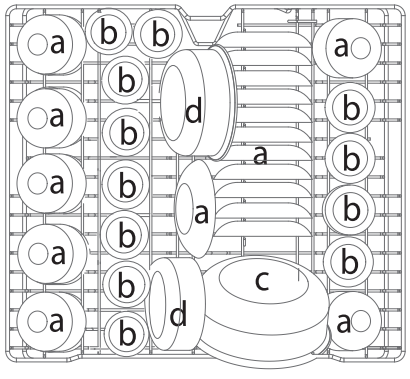




LOADING THE TOP AND BOTTOM BASKETS

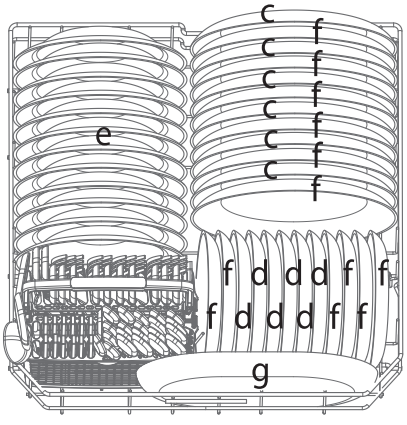
The figures below show the proper way to load the baskets based on the European Standards (EN50242).

- Capacity: 12 place setting
- Position top basket: Top
- Program: Eco
- Additional options: None
- Rinse-aid setting: 6
- Reference detergent: 30 g (Main wash 25 g + Prewash 5 g)



Top basket

- **a.** Cups, Saucers(Tea)
- **b.** Glasses(Milk)
- **c.** Dinner plates, large serving bowls(Minced meat)
- **d.** Dessert dishes, small serving bowls, dishes(Spinach)

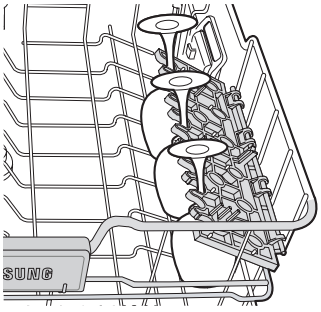


Bottom basket

- **e.** Soup bowls(Oat flake)
- **f.** Dinner plates, dessert dishes(Egg)
- **g.** Oval platters(Margarine)

Using the glass support

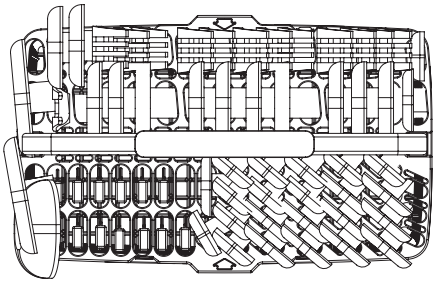
You can load cups or glasses into the glass support. This is also very convenient for washing wine glasses. You can place wine glasses onto the pegs of the glass support. You can fold the glass support back when it is not being used.



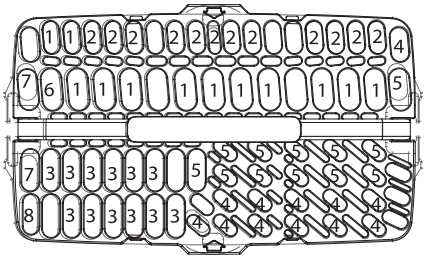
USING THE CUTLERY BASKET

The cutlery basket consists of three compartments.
Each knife, spoon, or fork can be placed separately into the spoon stand to prevent chipping and discoloration.

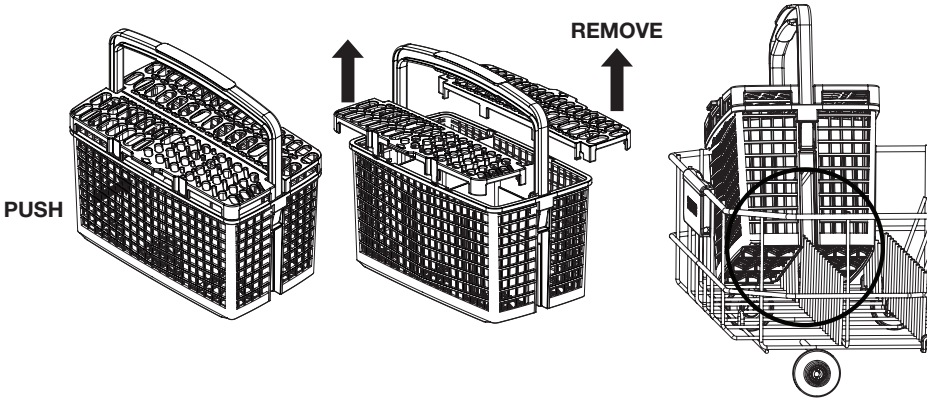
DO NOT let any item extend through the bottom.



1 Soup spoon	2 Fork	3 Knife
4 Tea spoon	5 Dessert spoon	6 Serving fork
7 Serving spoon	8 Gravy ladle	



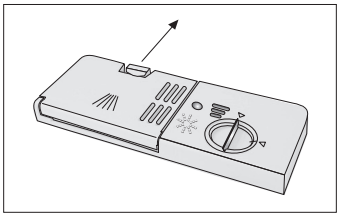
The cutlery basket can be used with the cover either open or removed. Refer to the illustrations below to remove the cover. Take care not to break the plastic latch.



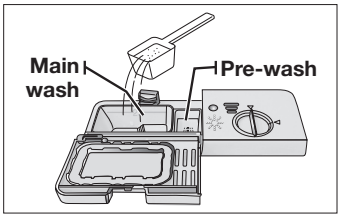
USING THE DETERGENT & RINSE AID DISPENSER

Filling the detergent dispenser

1. Pull the latch to open the dispenser. (The cover is always opened at the end of a washing program.)



2. Add 25 g detergent to the Main wash compartment and add 5 g to the Pre-wash compartment, and close the cover.



Using the detergent

- Detergent should be added into the detergent compartment before starting each program (except for the prewash program).
- The proper amount of detergent leads to the best performance.

WARNING Use only special detergent designed for automatic dishwashers. (Ordinary handwashing detergent should not be used, as the foam can interfere with the proper operation).

WARNING The detergent used is a special dishwasher detergent and like all household chemicals should be treated as toxic and kept out of the reach of children.

WARNING Clean any detergent or substance on the sealing part of the cover as the cover may become stuck.

Using the multi-functional tablet detergent

If you wish to use the multi-functional tablet detergents such as “2 in 1”, “3 in 1”, “4 in 1” etc...

- Press the **4 in 1** button on the control panel.
- Before the start of the dishwashing cycle, place the tablet detergent in the detergent dispenser.

The cover opens automatically to dispense the detergent during the wash.

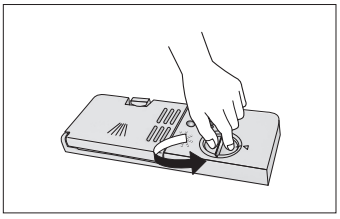
The numbers in the detergent dispenser refer to grams.

Filling the rinse aid dispenser

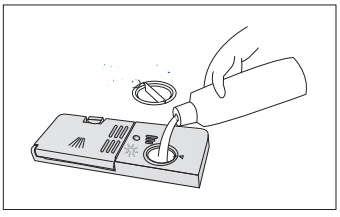
Your dishwasher has been designed to use liquid rinse aid.

The use of a rinse aid greatly improves the drying performance during the drying cycle.

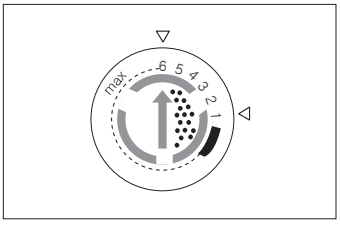
1. Push and turn the dispenser knob counterclockwise to open the cover.



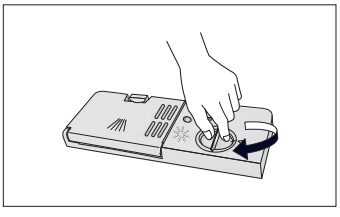
2. Pour rinse aid into the opening until the indicator points to “max”. Avoid overfilling the dispenser.



3. Adjust the amount of rinse aid released during the rinse operation.
You can adjust the amount over six levels (1~6). The greater the number, the larger the amount of rinse aid released. The factory default is 6.
When the rinse dispenser is filled, it is good for about 40 washes.
If you feel uncomfortable adjusting the leveler, using a couple of coins will make your adjustments easier.



4. Close the cover.
Turn the dispenser knob clockwise.



CAUTION We strongly recommended using only liquid rinse aid.

PROGRAM OVERVIEW

Soil level	Normal wash program	For lightly soiled crockery	For heavily soiled crockery with stubborn Leftovers	For washing glassware	For lightly soiled and crockery	For rinsing to remove odors	Keep dishes soaked
Amount of food remains	A lot	A little	A lot	A little			Very little
Wash program	Normal 65 ºC	Eco 45 ºC	Pots & Pans 70 ºC	Crystal 40 ºC	Quick 40 ºC	Rinse Dry	Prewash
Washing time	101 min	167 min	137 min	72 min	28 min	43 min	7 min
Program sequence	Prewash Room temp.	Prewash Room temp.	Prewash 40 ºC	Prewash Room temp.	Wash 40 ºC	Main Rinse 70 ºC	Prewash Room temp.
	Wash 65 ºC	Wash 45 ºC	Wash 70 ºC	Wash 40 ºC	1st Rinse	Dry	End
	1st Rinse	1st Rinse	1st Rinse	1st Rinse	Main Rinse 50 ºC	End	
	2nd Rinse	Main Rinse 63 ºC	2nd Rinse	Main Rinse 55 ºC	End	Keep Dry	
	Main Rinse 70 ºC	Dry	Main Rinse 75 ºC	Dry	Keep Dry		
	Dry	End	Dry	End			
	End	Keep Dry	End	Keep Dry			
	Keep Dry		Keep Dry				

- The wash time may vary depending on the added steps.
- The wash time may vary depending on the water pressure, draining conditions, and the temperature of the supplied water.
- Using the Keep Dry process, you can improve the drying performance. If you want to unload dishware, you can open the dishwasher.
- The Rinse Dry, Prewash courses do not require detergent.

cleaning and maintaining your dishwasher

Keeping your dishwasher clean improves its performance, reduces unnecessary repairs, and lengthens its life.

CLEANING THE EXTERIOR

It's best to clean spills on the outside of your dishwasher as they occur. Use a soft damp cloth on the control panel to gently wipe away spills and dust. Do not use benzene, wax, thinner, chlorine bleach, or alcohol. These materials may discolor the inner walls and may cause stains. Do not clean the dishwasher by sprinkling water over it and avoid water coming into contact with any of the electrical parts.

If your dishwasher has a stainless steel door panel, it can be cleaned with a stainless steel cleaner for Home Appliances or similar product using a clean, soft cloth.

CLEANING THE INTERIOR

Clean the interior of your dishwasher periodically to remove any dirt or food particles. Wipe the inside of the dishwasher and the inner part of the door with a wet dishcloth. We recommend running the dishwasher periodically (using a Quick or Rinse Dry program with the Sterilization option) with an empty load after inserting dishwasher detergent. This will keep your dishwasher clean.

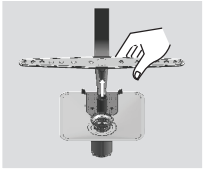
If white spots and odor are still present in your dishwasher, run the Quick program without loading dishes until it flushes, then interrupt the cycle and add 200 g cup of white vinegar solution into the bottom basket and finish the cycle. Do not use detergent.

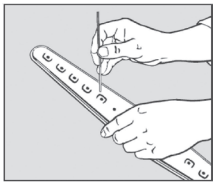
CAUTION Do not remove the Seal tub front (the long rubber seal enclosing the opening of the dishwasher).

CLEANING THE NOZZLES

If the cleaning performance of your dishwasher is continually low or the nozzles seem clogged, you can clean each of the nozzles. When removing the spray arm, take care as they may break.

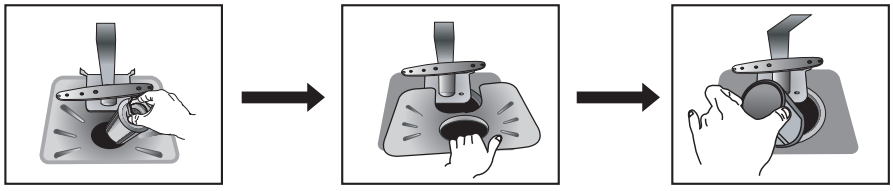
Lower spray arm



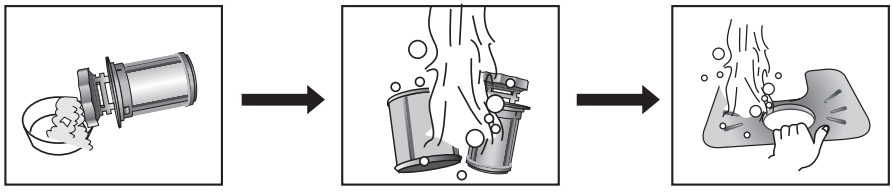


1. Use a sharp object such as a toothpick to remove leftovers from the spray arm.
2. Remove the bottom basket.
3. Pull the lower spray arm firmly upwards to remove it.
4. Use a pointed object such as a toothpick to push food particles into the spray arm jets.
5. Rinse thoroughly under running water.
6. Return the spray arm and check that it rotates freely.

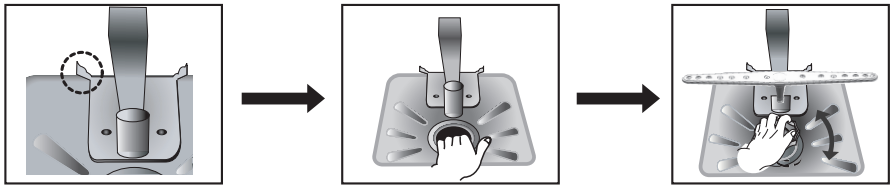
CLEANING THE FILTER



1. Rotate the filter cap in an anti-clockwise direction to release the coarse filter.
2. Remove the fine filter (rectangular).
3. Remove the outer filter (circle).



4. Rinse the coarse, fine and outer filters under running water.



5. Insert the filters into the tub and turn the filter cap clockwise to fix it.

STORING YOUR DISHWASHER

If you need to store your dishwasher for an extended period of time, first drain and disconnect it, as your dishwasher may be damaged if water is left in the hoses and internal components before storing it.

After draining and disconnecting the dishwasher, be sure to turn off the water supply valve and circuit breaker.

troubleshooting

CHECK THESE POINTS IF YOUR DISHWASHER…

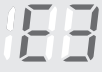
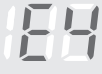
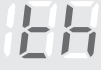
PROBLEM	POSSIBLE CAUSE	SOLUTION
Will not start.	The door is not closed completely. The **Start** button is not selected.	Check that the door is latched and closed completely. Press the **Start** button after closing the door.
	No program is selected.	Select a program.
	The power cord is not connected.	Connect the power cord.
	The water supply does not work.	Check that the water supply valve is open.
Has a bad odor.	There is water left over from the last cycle.	Insert detergent without loading dishes, and run the Normal cycle to clean the dishwasher.
Has water remaining after the program has finished.	The drain hose is folded or clogged.	Straighten the hose.
Has food particles remaining on dishes.	An inappropriate program has been selected.	Select a program according to the number and soil level of the dishes, as directed in this manual.
	The filter is contaminated.	Clean the filter.
	No dishwashing detergent is being used.	Use a automatic dishwasher detergent.
	The pressure of the supplied water is low.	The proper pressure of the supplied water should be 0.05 ~ 0.8 Mpa.
	One of the nozzles is clogged.	Clean the nozzle.
	The dishes are improperly loaded.	Rearrange the dishes so they do not interfere with the spray arm and the dispenser operation.
Does not dry dishes well.	There is no rinse aid in the dispenser.	Check the dispenser and add rinse aid.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Leaves an oily film on the dishes. The dishes are not clean enough.	The amount of detergent is incorrect.	Supply the appropriate amount of automatic dishwasher detergent.
	Too many dishes have been loaded.	Load only an appropriate number of dishes.
	Dishes are loaded incorrectly.	Load your dishes as recommended (refer to the “Loading the top and bottom baskets” section).
	The pressure of the supplied water is insufficient.	The proper pressure of the supplied water is 0.05 ~ 0.8 MPa.
	Improper detergent is being used.	Use an automatic dishwasher detergent.
	There is no rinse aid.	Check the dispenser and add rinse aid.
	The water is too hard.	Add salt into the salt container.
Is too noisy.	Sound is generated when the dispenser cover is open. Sound is generated when the drain pump is operating at an early stage.	This is a normal operation.
	The dishwasher is not level.	Ensure that the dishwasher is level.
	There is a ‘chopping’ sound because a nozzle is bumping against the dishes.	Rearrange the dishes.
Leaves glasses with a dim polish.	The supplied water is soft and too much detergent is being supplied.	Underload the dishwasher and use a rinse aid to minimize this.
Leaves black or gray marks on the dishes.	Aluminum dishes have been loaded.	Remove the marks on the dishes using a low sensitivity cleaner.
Leaves a yellow or brown film on the inside of the dishwasher.	This occurs from coffee and tea soils.	Remove the soils using a spot cleaner.
Does not have any lamps lit.	The power is not connected.	Connect the power cord.
Does not have a smoothly rotating spray arm.	The nozzle hole is clogged with food particles.	Clean the nozzle hole.
Has a bent top basket after loading dishes.	The dishes are not loaded properly.	Load your dishes as recommended (refer to the “Loading the top and bottom baskets” section).

troubleshooting

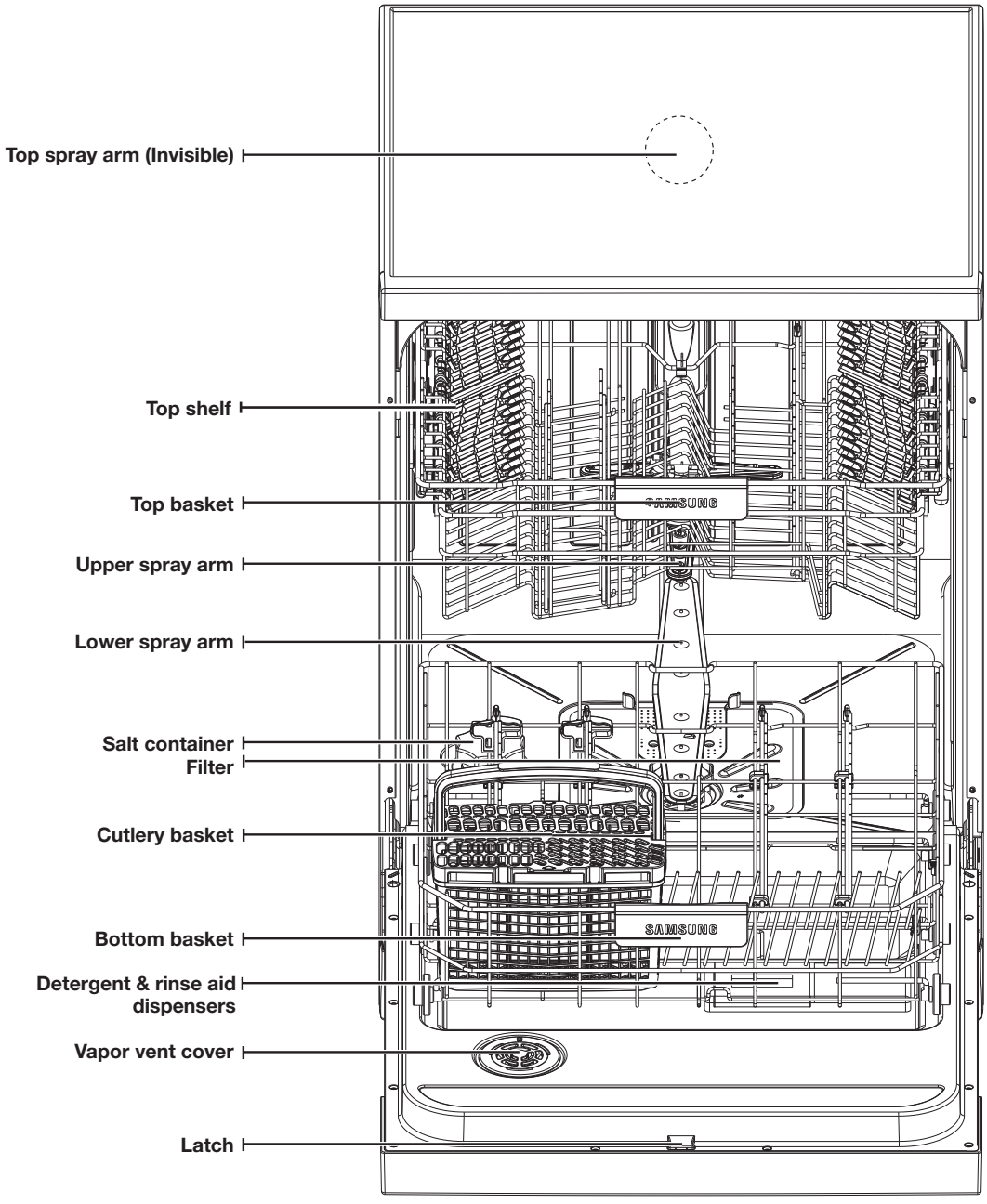
INFORMATION CODES

Information codes are displayed to help you better understand what is occurring with your dishwasher. If any of the codes below occur, you should select the Reset option and follow the respective instruction.

CODE SYMBOL	MEANING	SOLUTION
	The door is not closed completely	Close the door.
	Water supply error	Make sure the water supply is on. Make sure the water supply hose is not twisted. Make sure the water pressure is not too low.
	Water drainng error	Check the drain hose and the draining route.
	Hot water supply	Check the temperature of the water supply.
	Function Error (Except F2)	Before requesting service, unplug the power supply and turn the water valve off.
	A communications error between the display PCB and the main PCB	Call the service center.
	Switch error	Restart the appliance.
	Temperature sensor problem	Before requesting service, unplug the power supply and turn the water valve off.

For the more detailed information about the error codes, or if the suggested solution doesn't fix the problem, call your Samsung Service Centre referring to the back of the cover.

DETAILED PART NAMES AND IMAGES



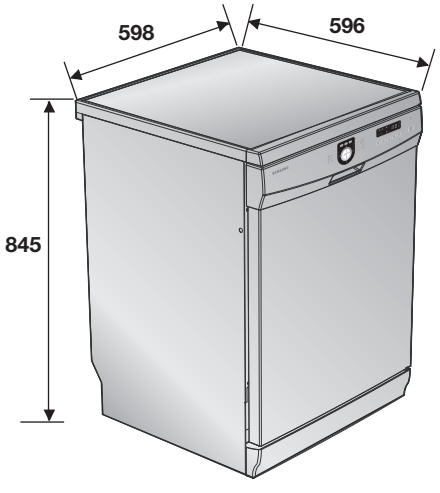
appendix

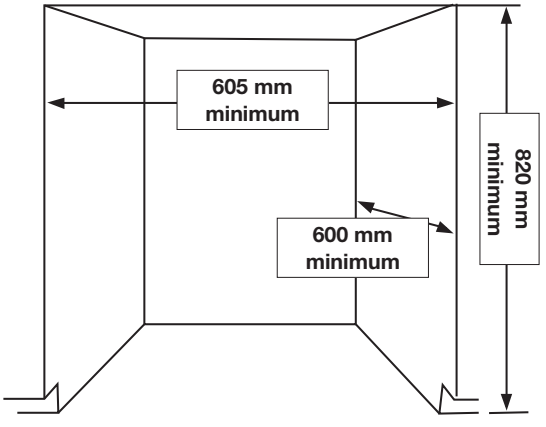
HELPING THE ENVIRONMENT

- Your dishwasher is manufactured from recyclable materials. If you decide to dispose of it, please observe local waste disposal regulations. Cut off the power cable so that the appliance cannot be connected to a power source.
- Remove the door so that animals and small children cannot get trapped inside the appliance.
- Do not exceed the detergent quantities recommended in the detergent manufacturers' instructions.

SPECIFICATIONS

Model	**DMS300TR/DMS301TR/DMS400TR/DMS500TR/D146**		
Type	Dishwasher	**Wash capacity**	12 place setting
Power	AC 220 ~ 240 V / 50 Hz	**Wash temperature**	Eco 45 °C
Wash type	Rotating nozzle spray	**Rinse temperature**	Eco 63 °C
Dry type	Condensation drying system for energy recycling	**Standard amount of used water**	Eco 13.2 ℓ
Used water pressure	0.05 ~ 0.8 MPa	**Number of wash cycles**	Standard 7 cycles
Dimensions (Width × Depth × Height)	Free-Standing	598 × 596 × 845 mm	
Rated power usage	Circulation pump	80~110 W	
	Heater	1900~2100 W	
Weight	Unpacked 48 kg / Packed 56 kg		





- Reference drawing for the installation (Built-in type)

NOTICE ABOUT RECYCLING

WARNING

Your product is designed and manufactured with high quality materials and components which can be recycled and reused.

This symbol means that electrical and electronic equipment, at their end-of-life, should be disposed of separately from your household waste.

Please dispose of this equipment at your local community waste collection/recycling centre.

In the European Union there are separate collection systems for used electrical and electronic products. Please help us to conserve the environment we live in!

DECLARATION OF CONFORMITY

This product complies with the requirements of the directives
EMC-Directive 2004/108/EC
Low Voltage Directive 2006/95/EC

Questions or Comments?

COUNTRY	CALL	OR VISIT US ONLINE AT
AUSTRIA	0810 - SAMSUNG (7267864, € 0.07/min)	www.samsung.com
BELGIUM	02-201-24-18	www.samsung.com/be (Dutch) www.samsung.com/be_fr (French)
CZECH	800 - SAMSUNG (800-726786)	www.samsung.com
DENMARK	70 70 19 70	www.samsung.com
FINLAND	030 - 6227 515	www.samsung.com
FRANCE	01 48 63 00 00	www.samsung.com
HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
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